

07-12-01

A

PATENT APPLICATION TRANSMITTAL LETTER
(Large Entity)

Docket No.
36080.00800

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Transmitted herewith for filing under 35 U.S.C. 111 and 37 C.F.R. 1.53 is the patent application of:
Edward G. COMBS, et al.

For: **Enhanced Thermal Dissipation Integrated Circuit Package and Method of Manufacturing Enhanced Thermal
Dissipation Integrated Circuit Package**

Enclosed are:

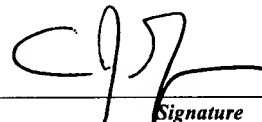
- ☒ Certificate of Mailing with Express Mail Mailing Label No. **EL 819 057 922US**
- ☒ **11** sheets of drawings.
- ☐ A certified copy of a _____ application.
- ☒ Declaration ☒ Signed. ☐ Unsigned.
- ☒ Power of Attorney
- ☒ Information Disclosure Statement
- ☐ Preliminary Amendment
- ☒ Other: **19 pp. Disclosure (12 pg. Specification, 6 pg. claims, 1 pp. Abstract)**

CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|---|--------|----------|--------|-----------|------------|
| Total Claims | 26 | - 20 = | 6 | x \$18.00 | \$108.00 |
| Indep. Claims | 6 | - 3 = | 3 | x \$80.00 | \$240.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> | | | | | \$0.00 |
| BASIC FEE | | | | | \$710.00 |
| TOTAL FILING FEE | | | | | \$1,058.00 |

- ☒ A check in the amount of **\$1,058.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **13-5200** as described below. A duplicate copy of this sheet is enclosed.
 - ☐ Charge the amount of _____ as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: **July 11, 2001**


Signature

**Christopher J. Gaspar, Registration No. 41,030
MILBANK, TWEED, HADLEY & McCLOY LLP
One Chase Manhattan Plaza
New York, New York 10005
Telephone (212)530-5019
Facsimile (212)822-5019**

cc:

UTILITY PATENT APPLICATION TRANSMITTAL

(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
36080.00800

Total Pages in this Submission
4

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

ENHANCED THERMAL DISSIPATION INTEGRATED CIRCUIT PACKAGE AND METHOD OF MANUFACTURING ENHANCED THERMAL DISSIPATION INTEGRATED CIRCUIT PACKAGE

and invented by:

Edward G. COMBS, 290 Killdeer Ct., Foster, CA 94404; Robert P. SHEPPARD, 1215 Washington St., Red Bluff, CA 96080; Tai Wai PUN, Flat H 29/F, Maywood Ct., Kingswood Villas, Tin Shui Wai, N.T., HK; Hau Wan NG, Rm. 1526, Oi Shun Hse., Yau Oi Est., Tuen Mun, HK; Chun Ho FAN, Flat E, 27/F, Block 3, Lido Garden, Sham Tseng, HK; and Neil R. MCLELLAN, #3 Tregunter Path Flat 3B, Mid Levels, HK.

Is a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 19 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission
4

Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☐ Formal Number of Sheets _____
- b. ☒ Informal Number of Sheets 11 (Figs. 1-11)
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. ☐ Computer Program in Microfiche *(Appendix)*
7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EL 819 057 922US

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UTILITY PATENT APPLICATION TRANSMITTAL
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(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
36080.00800

Total Pages in this Submission
4

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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TOT 20" B 282060

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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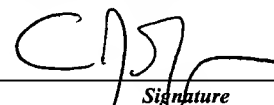
Total Pages in this Submission
4

Fee Calculation and Transmittal

CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|--|--------|----------|--------|-----------|------------|
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| Indep. Claims | 6 | - 3 = | 3 | x \$80.00 | \$240.00 |
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| BASIC FEE | | | | | \$710.00 |
| OTHER FEE (specify purpose) _____ | | | | | \$0.00 |
| TOTAL FILING FEE | | | | | \$1,058.00 |

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Signature

Christopher J. Gaspar, Registration No. 41,030
Milbank, Tweed, Hadley & McCloy, LLP
One Chase Manhattan Plaza
New York, New York 10005
Telephone (212)530-5019
Facsimile (212)822-5019

Dated: July 11, 2001

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Docket No.
36080-00800

Applicant: Ed Combs et al.
Serial No.: To Be Assigned
Date Filed: July 11, 2001 (Herewith)
Group Art Unit: To Be Assigned
For: ENHANCED THERMAL DISSIPATION INTEGRATED CIRCUIT
PACKAGE AND METHOD OF MANUFACTURING ENHANCED
THERMAL DISSIPATION INTEGRATED CIRCUIT PACKAGE

I hereby certify that this :

Certificate of Mailing by Express Mail (Label No. EL 819 057 922US); Patent Application Transmittal Letter (Large Entity); Utility Patent Application Transmittal (Large Entity); Utility Patent Application consisting of 12 pages of specification, 6 pages of claims, 1 page of Abstract and 11 sheets of formal drawings (Figs. 1-11); Declaration and Power of Attorney (4 pages); check in the amount of \$1,054 to cover application fee; and acknowledgment postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner for Patents, Box New Patent Applications, Washington, D.C. 20231 on:

July 11, 2001

Sandina M. Marino

Typed Name of Person Mailing Correspondence


Signature of Person Mailing Correspondence

EL 819 057 922US

("Express Mail" Mailing Label Number)

0902878.071101

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

07/16/2001 MWOLDER1 00000251 09902878

| | | |
|-----------|--------|----|
| 01 FC:101 | 710.00 | OP |
| 02 FC:102 | 240.00 | OP |
| 03 FC:103 | 108.00 | OP |